



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 19/01/2020
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 12-01-20
Sample Type /Size : Drain Side Wall Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 19/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Side Wall Concrete	M20	12/01/2020	19/01/2020	150.42 X 150.54 X 150.45	22644	8.312	389.5	17.2	17.2
2	Drain Side Wall Concrete	M20	12/01/2020	19/01/2020	150.42 X 150.54 X 150.45	22644	8.331	398.5	17.6	
3	Drain Side Wall Concrete	M20	12/01/2020	19/01/2020	150.32 X 150.54 X 150.35	22629	8.345	380.2	16.8	

Note:

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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ಬೆಂಗಳೂರು-560073.

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Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-01-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 12-01-20
Sample Type /Size : Drain Side Wall Concrete
Sample grade/Age : 150X150X150 mm
Reference to BIS codes : M20 / 7 Days Compressive Strength
Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
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Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

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Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-01-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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ಅಭಿ

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ಇ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ.

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Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 12-01-20
Sample Type /Size : Drain Side Wall Concrete
Sample grade/Age : 150X150X150 mm
Reference to BIS codes : M20 / 7 Days Compressive Strength
IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 19/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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Sample grade/Age : M20 / 28 Days Compressive Strength

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ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ.
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Address : T Dasarahalli Sub Division, BBMP, Bangalore.

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Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

: Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	150.62 X 150.08 X 150.07	22604	8.859	569.9	25.2	25.6
2	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.94 X 150.23 X 149.01	22525	8.827	603.3	26.8	
3	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.61 X 149.94 X 149.84	22733	8.446	564.8	24.8	

Note:

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಪೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Page 1/1
****End of Report****



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 24/02/2020

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/VO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	152.00 X 150.38 X 151.80	22857	8.320	755.6	33.1	33.2
2	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	150.55 X 149.13 X 150.18	22452	8.630	735.4	32.8	
3	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	150.07 X 149.61 X 150.58	22451	8.935	758.4	33.8	

Note:

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ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 03/02/2020
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer's Reference : BBMP/EE/DD/VO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-20
Sample Type /Size : Cement Concrete Pavement 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 03/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.27 X 150.83 X 151.78	22515	8.859	581.2	25.8	25.5
2	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	150.06 X 150.97 X 149.27	22655	8.827	598.4	26.4	
3	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	150.04 X 149.48 X 150.13	22427	8.446	541.5	24.1	

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663

ಪಾಂಡುಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ

ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ.

ಬೆಂಗಳೂರು-560073.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 24/02/2020
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-20
Customer ID : Cement Concrete Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 24/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	151.41 X 151.46 X 151.59	22933	8.320	769.7	33.6	33.2
2	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	151.07 X 150.67 X 149.13	22761	8.630	746.9	32.8	
3	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	151.69 X 150.37 X 150.49	22809	8.935	757.0	33.2	

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ಕರ್ನಾಟಕ ರೋಡ್‌ಗಳ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ

ಜಿ. ದಾಸರಾಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಡಿ

ಬೆಂಗಳೂರು-560073.

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 **Date:** 03/02/2020
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-20
: Cement Concrete Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 03/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.82 X 151.36 X 149.27	22979	8.859	594.2	25.9	25.7
2	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.75 X 151.66 X 149.73	22711	8.827	599.5	26.4	
3	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.68 X 150.81 X 151.81	22573	8.446	560.2	24.8	

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6/3

ಕಾರ್ಯಕರ್ತೃಗಳಿಗೆ ಅಭಿಯಂತರರು
ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ.
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Page 1/1

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 24/02/2020

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	151.66 X 151.12 X 151.77	22919	8.320	757.9	33.1	33.1
2	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	151.88 X 149.44 X 149.92	22697	8.630	746.8	32.9	
3	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	150.97 X 150.87 X 149.93	22777	8.935	756.7	33.2	

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663

ಕರ್ನಾಟಕ ರೂರಲ್ ಇನ್‌ಫ್ರಾಸ್ಟ್ರಕ್ಚರ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಲಿಮಿಟೆಡ್

ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಕೆ

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 03/02/2020

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

Sample Type /Size : Cement Concrete Pavement 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.38 X 149.57 X 151.07	22343	8.859	565.4	25.3	25.4
2	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	149.56 X 150.50 X 151.39	22509	8.827	598.4	26.6	
3	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.66 X 150.88 X 150.30	22883	8.446	554.7	24.2	

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ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ.
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Lab ID : CP-2020-02-20-91 **Date:** 24/02/2020

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Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	149.62 X 150.48 X 150.88	22514	8.320	761.3	33.8	33.3
2	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	150.15 X 150.27 X 149.39	22563	8.630	740.1	32.8	
3	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	149.08 X 150.19 X 149.75	22389	8.935	748.3	33.4	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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ಬೆಂಗಳೂರು-560073

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Format No: CP/TF/01

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Lab ID : CP-2020-02-20-91 **Date:** 03/02/2020
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer's Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-20
: Cement Concrete Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 03/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.71 X 149.54 X 150.14	22687	8.859	586.1	25.8	25.6
2	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.10 X 151.21 X 150.50	22847	8.827	597.8	26.2	
3	Cement Concrete Pavement	M30	27/01/2020	03/02/2020	151.93 X 149.54 X 150.31	22720	8.446	560.4	24.7	

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ಕಾರ್ಯಕರ್ತೃಗಳಿಗೆ ಮಾತ್ರ ಉಪಯೋಗಿಸಬೇಕು

ಜಿ. ದಾಸರಾಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಕೆ Page 1/1

ಬೆಂಗಳೂರು-560073

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-02-20-91 Date: 24/02/2020

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	150.41 X	22438	8.320	758.7	33.8	33.2
					149.18 X					
					149.25					
2	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	149.25 X	22306	8.630	715.7	32.1	
					149.45 X					
					151.91					
3	Cement Concrete Pavement	M30	27/01/2020	24/02/2020	149.15 X	22538	8.935	762.5	33.8	
					151.11 X					
					149.35					

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 90 days from the date of issue of test certificate

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****End of Report****



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R. Rudraprasad

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2020-02-20-91 Date: 04-01-20
 Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
 Address : T Dasarahalli Sub Division, BBMP, Bangalore.
 Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
 Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
 Customer Reference : BBMP/EE/DD/VO/359/2019-20
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 02-01-20
 Type of Mix : WMM (Wet Mix Macadam)
 Date of test : 02-01-20
 Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

Note:-

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 ಬೆಂಗಳೂರು 560073



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 Technical Manager



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF AGGREGATE IMPACT VALUE

IS: 2386 Part IV

Lab ID : CP-RW-2020-02-20-91 Date: 04-01-20

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010

Customer Reference : BBMP/EE/DD/WO/359/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-20

Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)

Date of test : 02-01-20

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Percentage	24.6	

Note:-

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Certificate No.: TC-5548

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007))

Lab ID : CP-RW-2020-02-20-91 Date: 04-01-20
Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address : T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements of RCC Drain and Covering Slab Maheshwaramma Nagara 5th & 6th Right side roads Ward No 15 Dasarahalli
Agency : Technical Manager (West), Karnataka Rural Infrastructural Development Limited, Project Implementation Unit, No280, 59th Cross, 17th C Main Road, 3rd Y Block, Rajaji nagara, Bangalore-560010
Customer Reference : BBMP/EE/DD/WO/359/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-01-20
Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test : 02-01-20

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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